

Peak District National Park

Forecast valid from 00:00 on Saturday 24 Dec 2022 until 23:59 on Sunday 25 Dec 2022

Forecast Issued on Friday 23 Dec 2022 at 13:47

Confidence: High for occasionally unsettled but lowering confidence in the timing of worst of conditions due to the mobile nature of the weather systems.

Headline for Saturday 24 Dec 2022: Isolated showers with brighter spells these best early in the day. Breezy at height

Mountain weather hazards on Saturday 24 Dec 2022

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
Low Likelihood

Poor visibility
Low Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Partly cloudy (night)	Partly cloudy (night)	Partly cloudy (night)	Sunny intervals	Sunny intervals	Sunny intervals	Partly cloudy (night)	Cloudy
Precipitation probability							
<05%	<05%	<05%	<05%	10%	10%	20%	20%

Forecast for Saturday 24 Dec 2022

Weather: Clear then brighter spells mixed with isolated showers through to mid-day. Cloudier from afternoon with showers building a little.

Chance of cloud-free hill tops above 600m: 85% becoming 70% from late afternoon

Low cloud and visibility: Good becoming moderate or poor in rain, very poor within cloud with bases infrequently lowering 500m at first, occasionally so later, particularly as showers push through.

Forecast for Saturday 24 Dec 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	23/32 SW	18/26 SW	18/25 SW	17/26 SW	19/28 SW	19/29 SW	24/36 S	22/33 S	23/35 SW
300	16/26 SW	13/23 SW	13/21 SW	13/23 SW	14/23 SW	14/23 S	16/27 S	16/27 S	17/29 S
Valley	9/24 SW	7/20 SW	8/19 SW	8/21 SW	9/22 SW	9/22 S	12/27 S	12/27 S	13/28 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	4/-2	4/-2	3/-2	3/-2	4/-1	5/-0	5/-1	5/-1	4/-1
300	6/2	6/2	5/1	5/1	6/2	7/3	7/3	7/3	7/2
Valley	6/3	6/3	5/3	4/2	7/4	7/4	7/4	7/4	7/3
Freezing Level*	1200m	1200m	1200m	1100m	1100m	1300m	1300m	1400m	1300m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Gusts reaching 40mph across most exposed ridges and summits late in the day, bringing a severe wind chill here.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Fri 23 Dec 2022	8.8mm	11mm	11.4mm

Forecast for Sunday 25 Dec 2022

Weather: It's a showery snow free Christmas, with outbreaks heavy at times.

Maximum wind: South to southwest mean 30mph with gusts reaching 45mph across most exposed ridges and summits, easing gradually from late morning.

Chance of cloud-free hill tops above 600m: 80% for any given time but little chance of extended clear periods given the showery nature of the flow.

Low cloud and visibility: Good becoming moderate or poor in rain, very poor within cloud with bases occasional from 500m.

Temperature: **Valleys:** Plus 2 Celsius increasing 9 Celsius for the afternoon
At 600m: Plus 4 Celsius
Freezing level: 1200m